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Subject Index of Volume 100

Acid stratification

Lead-acid battery; VRLA battery; Grid corrosion; Self-discharge; Heating effects in batteries (Berndt, D. (100) 29)

Active materials

Lithium secondary battery; Battery energy storage; Electric vehicles (Terada, N. (100) 80)

Alkaline storage battery

Ni-Cd battery; Ni-MH battery (Morioka, Y. (100) 107)

Alkaline

Fuel cells; Proton exchange membrane; Direct methanol; Phosphoric acid; Molten carbonate; Solid oxide; Prospects (Acres, G.J.K. (100) 60)

Applications

Battery; Sodium/nickel chloride; Temperature; Performance; Production (Sudworth, J.L. (100) 149)

Battery energy storage

Lithium secondary battery; Electric vehicles; Active materials (Terada, N. (100) 80)

Battery

Sodium/nickel chloride; Temperature; Performance; Production; Applications (Sudworth, J.L. (100) 149)

Bode diagram

Nickel-based rechargeable batteries; Sodium–nickel chloride batteries; Zebra batteries (Shukla, A.K. (100) 125)

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Nickel/metal-hydride battery; EV; HEV; Specific power; Cycle life; Prismatic (Taniguchi, A. (100) 117)

Direct methanol

Fuel cells; Alkaline; Proton exchange membrane; Phosphoric acid; Molten carbonate; Solid oxide; Prospects (Acres, G.J.K. (100) 60)

Double-layer supercapacitor

Electrochemical supercapacitor; Hybrid supercapacitor; n-Doping; n/p-Type supercapacitor; Poly(3-methylthiophene) (Arbizzani, C. (100) 164)

Electric and hybrid vehicles

Electricity generation; Energy storage; Global energy statistics; Renewable energy; Sustainability (Dell, R.M. (100) 2)

Electric vehicle

Fuel cell; Hybrid; Hydrogen; Methanol; Road transportation (McNicol, B.D. (100) 47)

Lithium secondary battery; Battery energy storage; Active materials (Terada, N. (100) 80)

Electricity generation

Electric and hybrid vehicles; Energy storage; Global energy statistics; Renewable energy; Sustainability (Dell, R.M. (100) 2)

Electrochemical supercapacitor

Double-layer supercapacitor; Hybrid supercapacitor; n-Doping; n/p-Type supercapacitor; Poly(3-methylthiophene) (Arbizzani, C. (100) 164)

Energy carrier

Hydrogen; Fuel; Fuel cells; Storage; Fuel cell vehicles (Conte, M. (100) 171)

Energy storage

Electric and hybrid vehicles; Electricity generation; Global energy statistics; Renewable energy; Sustainability (Dell, R.M. (100) 2)

Lead-acid batteries; Valve-regulated; Peak-shaving; Spinning reserve; Power quality (Parker, C.D. (100) 18)

ΕV

Nickel/metal-hydride battery; HEV; Specific power; Cycle life; Cylindrical; Prismatic (Taniguchi, A. (100) 117)

Fuel cell vehicles

Hydrogen; Fuel; Energy carrier; Fuel cells; Storage (Conte, M. (100) 171)

Fuel cells

Electric vehicle; Hybrid; Hydrogen; Methanol; Road transportation (McNicol, B.D. (100) 47)

Alkaline; Proton exchange membrane; Direct methanol; Phosphoric acid; Molten carbonate; Solid oxide; Prospects (Acres, G.J.K. (100) 60)

Stationary plants; Portable applications; Transport applications (Cacciola, G. (100) 67)

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Hydrogen; Energy carrier; Fuel cells; Storage; Fuel cell vehicles (Conte, M. (100) 171)

Global energy statistics

Electric and hybrid vehicles; Electricity generation; Energy storage; Renewable energy; Sustainability (Dell, R.M. (100) 2)

Graphite intercalation compound

Lithium ion secondary battery; Lithium cobaltate; Non-aqueous electrolyte (Nishi, Y. (100) 101)

Grid corrosion

Lead-acid battery; VRLA battery; Acid stratification; Self-discharge; Heating effects in batteries (Berndt, D. (100) 29)

Heating effects in batteries

Lead-acid battery; VRLA battery; Acid stratification; Grid corrosion; Self-discharge (Berndt, D. (100) 29)

HEV

Nickel/metal-hydride battery; EV; Specific power; Cycle life; Cylindrical; Prismatic (Taniguchi, A. (100) 117)

Hybrid supercapacitor

Double-layer supercapacitor; Electrochemical supercapacitor; n-Doping; n/p-Type supercapacitor; Poly(3-methylthiophene) (Arbizzani, C. (100) 164)

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Hybrid

Fuel cell; Electric vehicle; Hydrogen; Methanol; Road transportation (McNicol, B.D. (100) 47)

Hydrogen

Fuel cell; Electric vehicle; Hybrid; Methanol; Road transportation (McNicol, B.D. (100) 47)

Fuel; Energy carrier; Fuel cells; Storage; Fuel cell vehicles (Conte, M. (100) 171)

Lead-acid battery

Valve-regulated; Energy storage; Peak-shaving; Spinning reserve; Power quality (Parker, C.D. (100) 18)

VRLA battery; Acid stratification; Grid corrosion; Self-discharge; Heating effects in batteries (Berndt, D. (100) 29)

Lithium cobaltate

Lithium ion secondary battery; Graphite intercalation compound; Non-aqueous electrolyte (Nishi, Y. (100) 101)

Lithium ion secondary battery

Graphite intercalation compound; Lithium cobaltate; Non-aqueous electrolyte (Nishi, Y. (100) 101)

Lithium polymer batteries

PEO-LiCF₃SO₃; Solid nanocomposite polymer electrolytes (Scrosati, B. (100) 93)

Lithium secondary battery

Battery energy storage; Electric vehicles; Active materials (Terada, N. (100) 80)

Methanol

Fuel cell; Electric vehicle; Hybrid; Hydrogen; Road transportation (McNicol, B.D. (100) 47)

Molten carbonate

Fuel cells; Alkaline; Proton exchange membrane; Direct methanol; Phosphoric acid; Solid oxide; Prospects (Acres, G.J.K. (100) 60)

n-Doping

Double-layer supercapacitor; Electrochemical supercapacitor; Hybrid supercapacitor; n/p-Type supercapacitor; Poly(3-methylthiophene) (Arbizzani, C. (100) 164)

n/p-Type supercapacitor

Double-layer supercapacitor; Electrochemical supercapacitor; Hybrid supercapacitor; n-Doping; Poly(3-methylthiophene) (Arbizzani, C. (100) 164)

Ni-Cd battery

Alkaline storage battery; Ni-MH battery (Morioka, Y. (100) 107) Ni-MH battery

Alkaline storage battery; Ni-Cd battery (Morioka, Y. (100) 107)

Nickel-based rechargeable batteries

Sodium-nickel chloride batteries; Zebra batteries; Bode diagram (Shukla, A.K. (100) 125)

Nickel/metal-hydride battery

EV; HEV; Specific power; Cycle life; Cylindrical; Prismatic (Taniguchi, A. (100) 117)

Non-aqueous electrolyte

Lithium ion secondary battery; Graphite intercalation compound; Lithium cobaltate (Nishi, Y. (100) 101)

Peak-shaving

Lead—acid batteries; Valve-regulated; Energy storage; Spinning reserve; Power quality (Parker, C.D. (100) 18)

PEO-LiCF₃SO₃

Lithium polymer batteries; Solid nanocomposite polymer electrolytes (Scrosati, B. (100) 93)

Performance

Battery; Sodium/nickel chloride; Temperature; Production; Applications (Sudworth, J.L. (100) 149)

Phosphoric acid

Fuel cells; Alkaline; Proton exchange membrane; Direct methanol; Molten carbonate; Solid oxide; Prospects (Acres, G.J.K. (100) 60) Poly(3-methylthiophene)

Double-layer supercapacitor; Electrochemical supercapacitor; Hybrid supercapacitor; n-Doping; n/p-Type supercapacitor (Arbizzani, C. (100) 164)

Portable applications

Fuel cells; Stationary plants; Transport applications (Cacciola, G. (100) 67)

Power quality

Lead-acid batteries; Valve-regulated; Energy storage; Peak-shaving; Spinning reserve (Parker, C.D. (100) 18)

Prismatic

Nickel/metal-hydride battery; EV; HEV; Specific power; Cycle life; Cylindrical (Taniguchi, A. (100) 117)

Production

Battery; Sodium/nickel chloride; Temperature; Performance; Applications (Sudworth, J.L. (100) 149)

Prospects

Fuel cells; Alkaline; Proton exchange membrane; Direct methanol; Phosphoric acid; Molten carbonate; Solid oxide (Acres, G.J.K. (100) 60) Proton exchange membrane

Fuel cells; Alkaline; Direct methanol; Phosphoric acid; Molten carbonate; Solid oxide; Prospects (Acres, G.J.K. (100) 60)

Renewable energy

Electric and hybrid vehicles; Electricity generation; Energy storage; Global energy statistics; Sustainability (Dell, R.M. (100) 2)

Road transportation

Fuel cell; Electric vehicle; Hybrid; Hydrogen; Methanol (McNicol, B.D. (100) 47)

Self-discharge

Lead-acid battery; VRLA battery; Acid stratification; Grid corrosion; Heating effects in batteries (Berndt, D. (100) 29)

Sodium-nickel chloride batteries

Nickel-based rechargeable batteries; Zebra batteries; Bode diagram (Shukla, A.K. (100) 125)

Sodium/nickel chloride

Battery; Temperature; Performance; Production; Applications (Sudworth, J.L. (100) 149)

Solid nanocomposite polymer electrolytes

PEO-LiCF₃SO₃; Lithium polymer batteries (Scrosati, B. (100) 93)

Solid oxide

Fuel cells; Alkaline; Proton exchange membrane; Direct methanol; Phosphoric acid; Molten carbonate; Prospects (Acres, G.J.K. (100) 60)

Specific power

Nickel/metal-hydride battery; EV; HEV; Cycle life; Cylindrical; Prismatic (Taniguchi, A. (100) 117)

Spinning reserve

Lead-acid batteries; Valve-regulated; Energy storage; Peak-shaving; Power quality (Parker, C.D. (100) 18)

Stationary plants

Fuel cells; Portable applications; Transport applications (Cacciola, G. (100) 67)

Storage

Hydrogen; Fuel; Energy carrier; Fuel cells; Fuel cell vehicles (Conte, M. (100) 171)

Sustainability

Electric and hybrid vehicles; Electricity generation; Energy storage; Global energy statistics; Renewable energy (Dell, R.M. (100) 2)

Temperature

Battery; Sodium/nickel chloride; Performance; Production; Applications (Sudworth, J.L. (100) 149)

Transport applications

Fuel cells; Stationary plants; Portable applications (Cacciola, G. (100)

Valve-regulated

Lead-acid batteries; Energy storage; Peak-shaving; Spinning reserve; Power quality (Parker, C.D. (100) 18)

VRLA battery

Lead-acid battery; Acid stratification; Grid corrosion; Self-discharge; Heating effects in batteries (Berndt, D. (100) 29)

Zebra batteries

Nickel-based rechargeable batteries; Sodium–nickel chloride batteries; Bode diagram (Shukla, A.K. (100) 125)